Current Transducer/Sensor

SB1 AC Current Transducer

FEATURES

*Transforms the measured 1-phase AC current to the standard DC voltage or DC current output according to the linear proportion

*Excellent anti-interference ability and high accuracy (0.5%)

*Perforation input, plug terminal, screw fastening plane mounting

*It widely applies to all kinds of industrial current online detection system

*Dimension(mm):90(L)×26(W)×60(H) Aperture: 20mm

MODEL

LF-AI12-□ □ B1-0.5/ □

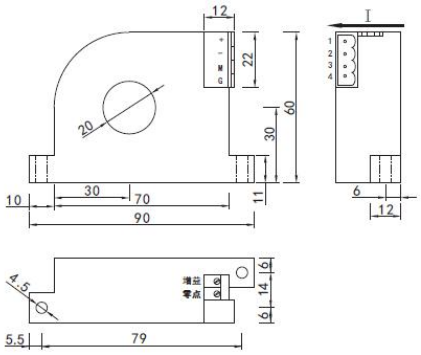
A B C

Model selection1: LF-AI12-32B1-0.5/0~50A

Explanation: this product is a 0~50A input range, 0~5V output, 12V power supply,

B1 style 1-phase AC current transducer.

DIMENSION DIAGRAM



ELECTRICAL DATA

* Standards: GB/T 13850-1998,IEC688: 1992

* Input Range: 0~300A can choose 0~10mA,0~5A etc

*Accuracy Grade: ≤0.5%.F.S

* Temperature Characteristics: ≤100PPM/℃(0~50℃)

* Power Consumption: ≤1.0VA

* Working Stability: annual change＜0.2%

* Isolation Withstanding Voltage: AC2.0KV/min*1mA between input/output/power

* Isolation Resistance: ≥20MΩ(DC500V)

* Impulse Voltage: 5KV(peak value),1.2/50uS

* Response Time: ≤300mS

*Load Capacity: 2 times current continuous, 30 times current 1 second

* Working Environment: -10 ℃ ~50 ℃ ,20%~90%without condensation

* Storage Environment: -40 ℃ ~70, 20%~95%without condensation

MODEL REMARKS

A---Output	B---Power supply
3: 0~5V 6: 1~5V 8: 0~10V	2:12V±10% 3:15V±10%
T: Special output	C---Current input range

CONNECTION DIAGRAM

1 “+” : Positive power supply’s positive wiring end

2 "-" : Negative power supply’s positive wiring end

3 "M": Measuring output end

4 "G": Power and output’s common ground end

Note: when single power supply works, 2 is empty

Note: When the transducer leave factory,

the output zero/gain has adjusted wel l,

Please don’t adjust, it randomly in no special situation.

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